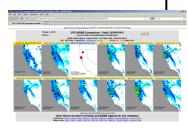
## <u>HMT/DTC Model Assessment – 2009-2010 Winter Exercise</u> <u>Wrapup and Preliminary Results</u>

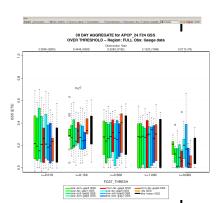
#### Real-Time Verification Demonstration

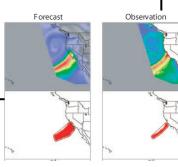
- •Examples
- Advertisements for New Utilities
- Caveats
- Wild Unsupported Speculation

## HMT-WEST plans for 2010

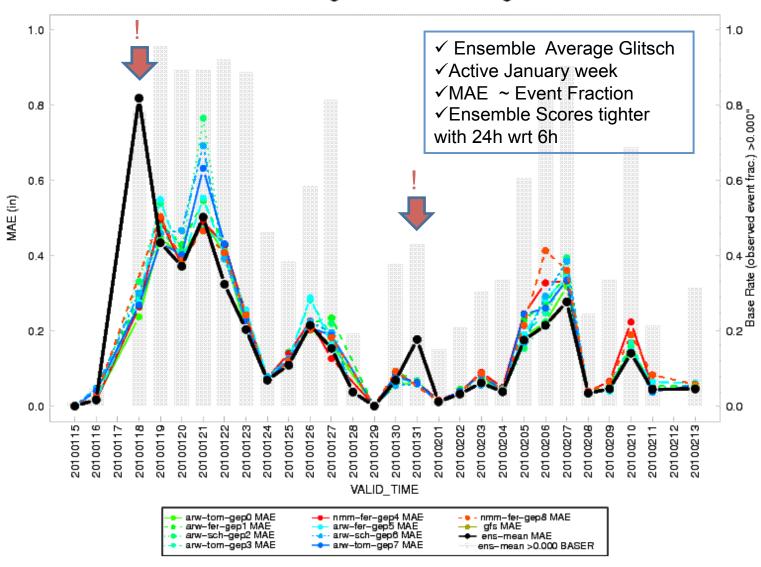
- Ensemble-based Probabilistic Scoring
- ■Website Interface
- ■Data Impact on Scores
- ■AR prediction assessment



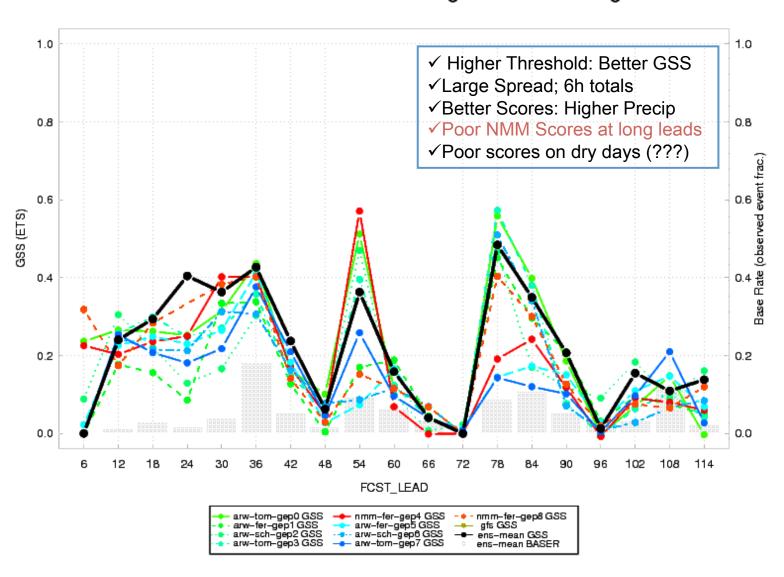




#### DAILY PERFORMANCE for APCP\_24 MAE 24hr FCST - Region: FULL - Obs: Gauge data

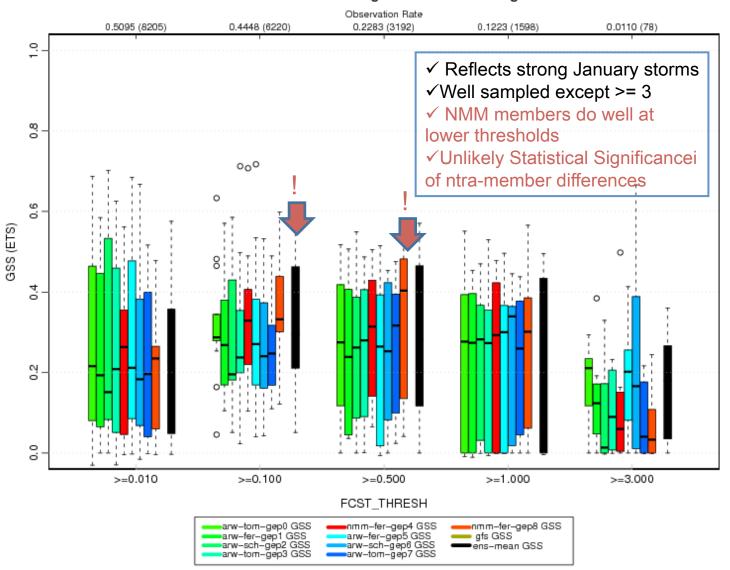


# RUN PERFORMANCE for APCP\_06 >=0.500" GSS CONSTANT INIT TIME 2010011712 - Region: FULL Obs: Stage IV



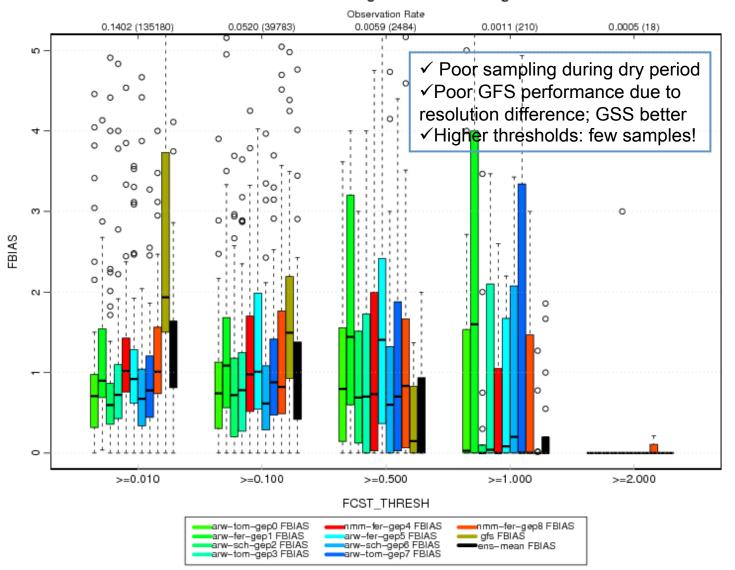
#### January 2010

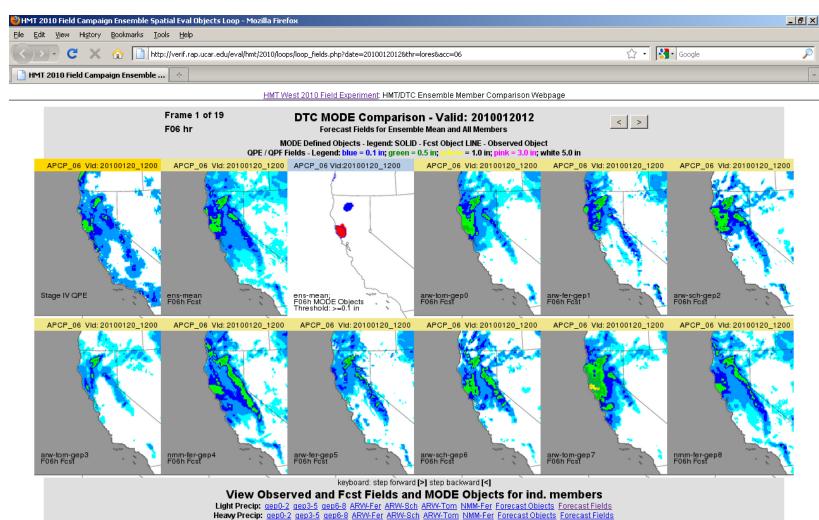
## 30 DAY AGGREGATE for APCP\_24 F24 GSS OVER THRESHOLD – Region: FULL Obs: Gauge data



### February 2010

## 30 DAY AGGREGATE for APCP\_06 F06 FBIAS OVER THRESHOLD - Region: FULL Obs: Stage IV data







### <u>HMT/DTC Model Assessment – 2009-2010 Winter Exercise</u> Future Work and Plans for 2010-2011 HMT-West

### **Demonstration Website Development**

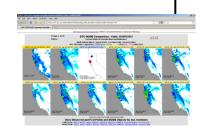
- Probabilistic Scoring Options for PQPF
- •Fully Interactive GUI for Score Displays
- Option for Scenario-specific (i.e., Storm) Verification

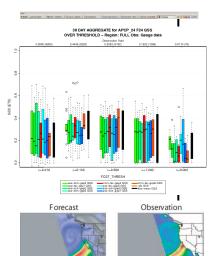
#### Further Research and Case Studies

- Verification Score Choices; the Best and Worst
- ■Object-based Vx; Complementing Standard Vx
- Data Impact: Gages vs. Grids

#### **Questions that Need Answers**

- Optimal Regional Verification Strategies
- Verifying Multiple Domains: the AR problem
- ■Inter-Model Resolution Compatibility: GFS vs. WRF





Send answers to <a href="mailto:Edward.Tollerud@noaa.gov">Edward.Tollerud@noaa.gov</a> or <a href="mailto:jensen@ucar.edu">jensen@ucar.edu</a>